Avation Peus MGRAW-HILL PUBLISHING COMPANY, INC. DECEMBER 4, 1944



Thunderbolt Amphibian Unveiled: Formidable contender among family type personal aircraft for post-war use is new Thunderbolt amphibian built by Republic Aviation Corp., Farmingdale, L. I. Plane is all-metal construction, seats four and is expected to sell for less than \$4,000.

CAA Port Plan Lets Congress Solve Landing Problem

Boeing Converts Seattle Plant from B-17's to B-29's

House Group Hits CAB Stand Against Ship Firms
Bill recommended authorizes Commission to

make "final and conclusive" findings as to right of steamship operators to use aircraft.......Page 42

Finned to fury by the urrific slipstream, a motor fire was the toughest for a flyer could meet. Now it's been conquered—by the fire Allling power of the Kidde Buile in Estinguish

Here's how it works: At the first sign of fire, pilot pulls a handle, sends carbon disvide gas from Kidde cylinders to flood the engine compartment and stuff out the blaze. Elepsed lines about three seconds.



Gama under-pressure, stored in lightweight Kidds cylladers, are doing many jobs that will hasons the arrival of the App of Flight. If you have a problem in this field, our Research and Development Department may have the solution, Drop us a line! THE AVIATION NEWS

Washington Observer

CAA TRAINING PROGRAM -- Infestions expect a report from CAA mer, recommending to Congress an extension of Civil Pilot Training, under which federal memory would be matched with that of school-sporners and of students, for trustang courses Primary sim is to percente a large flying population which will apport a big ameralt extralacturing industry; and accordly, to treate a military backles of aviation skills. CAA intends to go below where cal standards of the Array and Navy to cover a large student group, Of course, all acceptable students would be available for whatever pencetime military training may be established. Some opposition to CAA's plan is expected, on the greend that it will tend to federalize existing to the detracent of local government and private initiative and rederprine.

organization of the Production Executive Com-

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PEC REORGANIZATION—A full-dress re-

* * *
CONGRESSIONAL OUTLOOK-Chences of

the contract of the contract o

A VIATION DIVISION—Linguity, this phase of supports beside in in strong position, with policies a fermily continued and activities already southern that a new STO could mave in and redically the strong southern that is new STO could mave in and redically ye services, insuce the policies over in effect there are southern to be supported to the contract proper and, on it stends now, here is good chance that available is a strong southern than the policies of the country and of the substance proper and, on it stends now, here is good chance that available to the country of the substance proper and, on it stends now, here is good chance that available to the substance proper and.

V-E DAY CUTBACKS-The Army is new said to believe that the 40 per cent cutback of manifons previously estimated for V-E Day is too high and is socking to study that figure sharply in readuction scheduling discussions with WPR. Chairman Krar neer is reported to feel that the 40 per cept figure is a trifle high and helioves that it will be conswhat less than mate as the Army's figure. Kruz's current thinking is said to be that the overall cutback will be shout 25 per cent. Although the five per cent dron secon slight, actually it will arrested to nearly \$100,000,000 a month to dollar values At any rate, the uncertainty ever the extent of the cathock come V-E Oxy, is one of the freters building up the highly-published Priorities Regulation No. 26. This regulation spells out Krue's V.E Day often. He had intended to relesse it law are according to Washington Inshlers, but has accoded to Army describe to

withhald it until immediately before V-E Osy.

BURFLUS PROTURTY BOARD—The high hapes hald for a top-notch Surplus Peopers Board word interacting with the new appeturence of the second second

LENO-LEANE—Reports createring from the Chicago conference that Leed-Lease will be used to equip the connecessis sirilino of some of our Allies, even before the way has ended, have been decided by officials at the FEA.

SHARP INCHEASE IN DEMARDS—White scheding a shorp persons are request for imporpositions under Lend-Lesse, FEA cliesies sy that each such request sunt to public solid in the light of the ordinary unprope, The company for opening Lend-Lesse to Britain not call for any substantial increase in transton call for any substantial increase in transton call for any substantial increase in transton call for any substantial increase in trans-

KRUG TO WEST COAST—Flam for WFB Chainsan Kray's sleplens trip to the Wecast to expedite production in war plants there have changed almost daily since he first announced his intention of making the frip. Nov tentatively substituted for this week, it may be changed again. One bitth enne when Krag

WALTER KIDDE & COMPANY, INC., 140 CEDAR STREET, NEW YORK 6, N. Y.



Tomorrow's Designs Throughout the entire was Parmeflex Assustical Davices have consistently surpossed the efficiency specification of Army and Navy

requirements. In eddition, they have noteblished over standards of describilly under the most gruelling service conditions. Permetter products for posturer will reflect these achieve-

monte on they rander improved performance

in hundreds of applications. Let us comult

with year on year specific davign problems.

OFLUX CORPORATION 4916-22 W. Grond Ave., Chicogo 39, III STATES HAMILTONIAN OF PERMANENT MACRIT STRAME MANAGERS

BUY WAR BONDS FOR VICTORY!









AYIATION NEWS . December 4, 1944

A speed developed over the selection of the six men to un slave. When he does on to alrevals plants and shapyards on the West Coast, Hiland G. Beicheller, operations vice-chairman and Borald Barachenstein will be tauring the Middie West and East for the same narross. The newly-created Agreeaft Division of WPB, which will be under the Transportation and Rubo Bureau, will report to Batcheller.

ANOTHER WER DEPARTIBLE. The rest top-drawer official to leave WPS, according to esgetol mesders, well be Arthur H. Bunker. He

high WPB officials expect his departure from the agency in the not too distant future Licut, Gen. Barton Youat, substituting for Gen H. H. Arneld. In the speech he declared: It is probable that no further fighters with conven-Bonal gaseline engines will be designed. The

partenenys latest "publish-

speeds of "over 500" mph. North American should thaniontic sales departments and an enthusionic by cash deposits. How long the public will be willing to soil for these craft before deputing to cell back the deposit and apply it to an auto should expend production facilities to but the

A The aircraft industry amounts that further an-AVIATION NEWS . December 4, 1864

shington Observer

sentence is the best indication so far by tree authority of the amozine performance of the ary let-propulous fichiers, which within three short years have for outstripped the progress of 40 years of conventional strengt engines, so

BUILD-UP-CAA ton-core are looking for

TRANSPORT EQUIPMENT - The United Kracslam, Bassie, Australia and other Allies who have elsteined oir transport regionsent this environment will not be used to carry compercent assessment. Title to all such economical

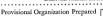
will be cleared by the Wor and Novy Departshop in ATA by all foreign fing lanes which will Proposed changes in Civil Air Begulannes, Part Cheaper true manager for anime passengers.

dollar. One new plan plan would be valid for

Hughes Plane Burns

Survey, and due to be in

Army serstany of the high-



The traced-way between the Americana and British involved

innerty sauctions whether order-

nedrate unkerp treffic under this

As World Air Talks Draw to Close Delegaces to Chicago conference track for home after month of deliberations, with some of major differences between U. S., Britain and Carnels on plans for multilaceral civil air transport agreement still umolved.

Be MIRTIN MICKEL

Wesey delegates to the Intervapacked to go home lost weekend the many differences between So strang was support for the

basis for interest execution until a Praybiggal Organization Planted

Kingdees, dougste seese conspromse, insisting on a strong asternational body with powers beyond cord a world air organization, tempts to provide a universally

Five Air Freedoms-Most of the discussion hinged on the fifth of reserved has the Unsted States, under which each member state would

photographic unit of At the same time it was to surpose: (1) to put down perbarned that Husber' calorful physiographic simplane, was destreved Sion 11 when Bughes' lake on passengers, maste and

> jected the idea, but the Americans ensisted it must apply if long routes were to run at a profit

tion of capacity and increases in Dissesse. The impasse brough that capacity under proposed "ea- sheet by its divergence resulted calator" claumes. The Brrigh re- on rateriouses by the U. S. of a







Frenkly, we expect to learn a lot at the NATA Convention . . . and are looking forward with interest to hearing your ideas and plans for the future of our industry, Also, we hope so make a worthwhile contribution. For 11 years we have been a source of supply for Aircraft Dealers, Thor's

given us a lot of information which we'll be pleased to pass on. We're anxious to share our experience with you-to add what we have learned to your fund of knowledge-to consult with you on your own specific prob-Jems, and to submit workable, profitmaking suggestions.

2014 at the Consenties were no instead to visit the major office and warehouse of Supply Division, Inc., and see the considere enocks of sircraft bardware, parts and accessories that enable us to malorain our reputation for "same-flav-service."

Penns Tenerena 5-5000

AVIATION NEWS a December 4 1964

YOUR Warehouse Anner FOR ACRONAUTICAL SUPPLIES

Lord Survitor, charman of the United Kingdom delPosters, Adolf A. Berle, Jr., charman of the U.S. delogation and president of the conference, and C. D. House, charmon of the Canadian delegation

AVIATION NEWS . December 4, 1986

fly across the territory without

sampler proposal, without many of visione on truffic quotes and cook-

treatment, prevision for technical services and the filling of reports the conferres was that countries not secring in the proposed conorrangements beleficially Pro-

tional me traffic. France gave the out of the fifth freedom, involving intermediate traffic, as they see fit action by mother exult sais on extension by a reponal council which, if consultation with other member states failed to resolve the

fuled to act remedially, could Demisian Proposal-The Carred a member state could join in or no on 80th freedom traffic, previdestrictions the U. S. does not want the world orrangation shall a

on entering the diffusion. The Brit-

spekerman producted that the 38 ber from other nations in the

Branch Confirmed

A Training for Workers-Stubling

Brazil to Make AT-6's

Commerceveralth August Cara

In addition to complete data or

Breakdown by States on National Airport Plan A table sharing existing apports, accounted progressments and

Andreas Marines Milleres Mille			i promi		Tilani in-	g-miner	-unitar-	5	d	A Interior	Santality &
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Chile Vergine Vingine Vinding let Water Vingine Vinding	2227252	100 A	ST ST ST	1/01/05 1/01/05 1/01/05 1/01/05	Tall House	NAMES OF	HARRIES.	Hellowitz	7	1 1 1 1	-Gellins

AVIATION NEWS . Devember 4, 1966

CAA Port Plan Gives Congress Job of Solving Landing Problem

National program provides for 3,050 new sirports and improvement of 1,625 at cost of \$1,021,567,945, to be shared by federal and local povernments.

b Cost Distribution-Costs of Conexisting fields at a cost of \$1,921 .paying, \$395,315,460 or 35.7 perpercent; radio, \$10,863,800 or 11 from the Hause of Representatives

Ayments Intended for private ried of years, to be used as federal of proposed expenditure, improvement of presently designated Mr veloping an adequate system of cases also improving personal fir-Mr. A. merceral

h 5 762 Concernation Affectach... The coare atmosts at 5 300 culos, tancos P Zering Previolers - CAA prelows pentecting arrports, he reoffice for particulary Hayever, it

pared by CAA remetal offices in coveredge with officials of the vertous localities which would be

vate fivient from 981 to 2.867

curred buildings and other turilly. the world provide 1,339,000 man & Military Bress ... Una of existing

recention of less than \$6,000 would

builth and milety, by increasing cost to the cubic, all are cited as \$ 6.000,000 Prict Prorpects-The report estimates a total pool of 4,000,000 prospective flyers will be this would make 1,500,500 fivers

Supposted Requirements CAA recommendations to

companying the national air-Any federal and surport pro-

Blace partrapating shall ention Christian, fact operations

nion of all public exports within the state without disstår for unvestricted use of Disposeous of projects shall

Conveyedby benefits from speeds community, protection of gentle

and their operation in the pub-

Day, 171-Sound Annual Muster, Arbeiter the NV-bounds on the Holder, Accepts the A

resaller corresunction will income

at 1820 Address St., Berkeley,

AVIATION CALENDAR

Pec, 12.35 - First deliberts Ariestes Confer-tres, Brillymoot Essensit Kole, Melymin, Delipsond Emmersi Kais, Selp-men C. Cheller About Trade Stronger Des C. Cheller About Trade Stronger Des Growth Committee Strong Market Stronger Stronger Stronger of Lawrence and James Stronger Stronger among delips, Brock-Collect Stated Ser-money delips, Brock-Collect Stated Ser-per Stronger Leville American Stronger February Stronger Stronger Stronger February Stronger Stronger Stronger Stronger Stronger Stronger Stronger Stronger Stranger Stronger filed at request of the House of Representatives Currently there are 2017 airports in these classes of 1000 of the existing fields, and PART AND ADDRESS OF THE PARTY O for construction of 2967 additional

4795 Ports Planned

Yorst of Class I and II fields in provided under CAA perional

A total of 4795 Class I and II arr-

For Private Fivers

Age. Hill-Lindson Technical Committee, AGES, New Green, Age, 11-04 - Statemen Advertiscent Resident more Communica Advanced Princip Hop Life International Analysis Systematic, form annual convinces, Normal Season, Pin. Base 18-27-74-5, Norman Advance Emped-tion, Doller. b Mass Market Step-dale of perends, communed with apprecimatemercam beyond the 400,000 mark. ent 20-billion dollar-n-year sizit is peerfed out that towns of deficiency in expects Only 2,340 white the 412 offer with popula-"absold we over need there in a tions above 25,000 have 602 ser-

the utility of the existing airports. and will provide additional landing places for flyers seeding to the low development cost as the pri-New Hillerconter mary metivating factor, rather Under the work of Henry than convenience to residents of Kamer, young Stanley Holey. Covil Polet Training-Emphasis his "Hillercooter" A two since

Enforcements in it will note of the smaller towns there are which he expects to sell of transport survice, while in metropaliting areas there is additional alloweral return blades which until be leated on his single-

> 14.718 corresponds with under palicy powersing maritime salets 5,000 negulation, have 1,141 auc- required in connection with trans-

communities under 5,000.

fields at \$73,779 and the cost for

Forrestal Urges Air Policy Group Sceretary of the Navy James V.

widely known Morrow Board-to Forrestal's reconstructulation was tec on legislation creating such a James Murray (D., Most) in Au-

DOpposed By Berte - Assistant hosever, raised objection, a) Policy Corevosuus, moking all recommendations on redificry and The commission would be cornposed of two members of the Benstr. two members of the Blosse,

another reported feater receives A Wests Coast Cared Beaucrated O'The Name Depostered marks dustry by a new 'Morrow Board',' Forrestal declared and suggested

"It is likewise describle to point

Echols Urges Constant Research On Aircraft Design, Accessories

Department is appearing. General

the independent agency plan in

a communication assert by Brug

Gen B. W. Crichlow for Mac Gee.

normal development phose.

Assistant chief of air staff, materiel and services, tells Wood sum Post-war Military Policy Committee that equipment now in use will be obsolete two or three years after war.

and services, has told the Woodrum Post-way Military Policy

Privacy Research Board on The AAF offeer did not alabarate on to saugh engineering costs to serable to utilize these facilities General Echols supported th

Petternen for a Bennarra Dound

of those sixtiface and one officer

AVIATION NEWS . December 4, 1944

from the Army and one from the Deganication-The chief question Committee on Post-war Military of the Board's establishment has Policy would be reconstituted in in its orrangation, whether under the new Congress as it has request- computing apparatus, right.

nonests and form of universal Free Members Defeated-Two of

last elections. Ren. Mans (R. funds would be provided through Minn) and Hep Miller (R Corn) in all, four members of Newy appropriations bills, with cy, the Board could go directly to

As soon on those experts can

independent narroy plan would

cited the advantages of indepen-Expect Woodrum Report on Research Commissee, reconstituted by new Congress in Josses, it likely to

subspic results of another on an-

NORDEN ROMBSIGHT: One of the first photos of the forana and long-secret Norden body for the first time soon after stebibaer, contensing horizontal solich stabilizes the telescope, is is the upper half, as is the reage

industry to be the most important single subject beard by the Woodup the question of compulsory Forested By War Dept .- The War ally the Navy favors valuntary

service and the Marine Carox is valuntary organization as soon as Committee hearings are expected Fellowers the last near the War. has been changed, at is understood, with the War Department now Filet Training-The AAF looks priote within the compulsory peried, principally for the resear. given the option of AAF training

penerally considered in the alressaft mod of service. This would also be not General Life Insurance Co., the war wpount of the Naval air arm. The Maruse Corps is placing to that eviation officers serve a period of two years with the ground forces before assignment to the air

Aviation Insurance Coverage Broadened Accident policies so be available

Brundened coverage of arration accident manrance hundled by the North American Companies, including riders covering passengers, other Gon commercial airliners. insurance will be avallable in amounts up to \$399,000, the an-The revised master palicy for proved arrines. It also removes the 'three hundred miles over

if they volunteer for a langue po- > Bestrictions Removed-Connecti-Revision of Pre-war Policy Asked

this enterors

furtherms were undeled with the verying testimony before the pretetype, in which their only model in production sagetities to and more for a fighter to oversal wellion for a heavy bomber, types asserted by the Arrayknowledge of performance meas-

Arrest reperally at the cost of a production model. Other reasoearly in November, removed byspeculing anywhere on the globe industrially-award planes, both

clear out, but the rates remain the Roles are lowered, however, m and medical eopense applying to

accident policy is usued at a vete of \$1.20 per thousand, with the first \$100 bissket medical costing cents. The rate for each \$5 of weekly indemnity is quoted at 56

The rate with rider covering passergers in non-commercial planer u \$3.00 per thousand. First \$500 medical is quoted at \$5, eccepared 60 conts Workly indemnits charges are doubled with this rider. The rate with inder for noncommercial prior is \$5 per therneed, other charges being the same as that for a possenger in renof the western hemsphere. Special

to \$5 per thousand for the first \$9,000 of principal wars and \$50 medical remains the same as for early religiousal \$100 as counted at

Cover, Stupar Killed Cal. Carl A. Cover, St. vacc.

service with the AAF Material Command at Wright Field, in charm of medification week, and plant He was widely known in gram was commendation from anth Carture-Wright Com. mo-Changes, from 1939 to 1912 and cago Air Works, and reseaser of the Standard Airplane factory in

Aircraft Surplus Offered in Canada

Surplus aircraft material, as well ster. B. C. were amone the \$1.500 a by the Caradian Way Assets Caraspect' such hasts. Bublist between ment-owned, in conjunction with

equipment of the government-

Lift Plumbing Order

War Production Board lifted the standardization order governing Ottings, reporting that adoptatic Compressal Version - The LKpermission from the sireraft scheduling unit of WPB's Agreeaft Resources Control Office However, the Board pointed out that no additional requirements for controlled materials, critical ma-



"Yankee Boodle Two": This new photo shows the consecretal versiof the TG-4A glober trainer which was developed by Lauter-Konfirms Aircraft from the sought-place surplane, Yankee Doodle which has ap-

that manufacture remains subsect Navy Lifts Wraps From New Seahawk

Glider Type Tested "Redical" new mapless type is Carrier SC-L Type tests on its models LK-10A tim SC-1 Sonbasek, described as a

redical new Navy scanlane type, is made by Rear Admiral DeWitt Clinton Barriery, clised of the Buplace glader trooper. These shape. No details are disclosed by Adfication under the type certificate. Shipboard Operation-Hawver,

one of the war's most valuable

from the masic-place Yankee Doodle, both performance sailplanes, describe the fact it is ab-The company is working on an downed signes in Pacific actions and commen from wrecked or terpedoed westels.

the TG-4A, and was developed

Navy Trainer Tests All-Magnesium Wing

Success of peoject feesbadows all-reagnesium places, says I. C. While use of mannatum allows size in 1662 thirty sets of women were ordered. Mathes said these

a new departure in decien is disclosed with the appropriate fruh't for more than a year on Navy J. C. Mathen of Dow Chemical

lightest, being 14 percent lighter The aircraft industry's sonrch strolenes. Marnesson is sheed

ALR TECHNICAL SERVICE COMMAND

DEPUTY OR SECTION intentor in

(anks) Mid- Md Walkers form them divide to the Spring Market

Middles Son Opine Quies for his book facility. Edy Johnson

the Nasy since 1963, the permat

CHART SHOWS ATSC ORGANIZATION: New processations chart of the Air Tephnical Strings Command, AAF created by consolidating the Material and Air Service Consumula, shows

E. E. Affler, thief of management control; Brug. Gen. C. H. Ridenour, auversector: Max Gen L. T. Muller, chief of supply, Drug Gen Lucus V.

dated Vulter's Fort Worth Discu-

No 1 DC process, which they will

The company now is using the strument populs, polet mais, and nessum can now be used as subse-

Bids on Surplus Planes Analyzed

Analysis of had byritations on offered new is running virtually but that the bulk of hybridans offerings now is conserred in the In the east and south the offer-

ract are almost entirely in heavier stitutions more than helf. are Nany's. There were size 112 and Przer planes. There is only two clauses. Of these, 71 are be-

ing afferred at Washington, Mon-

Approximately 10 light gliders

Huge New Gliders Tested by ATSC Croft copable of carrying four

coartees. Wright Field Ohon.

box aerial freight cars at Christee The gludees are annilar only in

first time in cargo gladees of reby any multary glader. billish Wine Marsonhore-XCO MA, manufactured by Laster-

charabell' door which swing cambet experience indicated reas age then ness, in landings, Gades mastree a four-engine but, such ed, but only narmal pithup and

howether or a term. Corkret, at too of the why-like furniare, has u the first military glider with

Plexistan londing doors in the

leading edgelift upward, operated

The new uniform flight training course offered by ATS schools at erditory fight tentuce in warwhich since 1522 have been done



Army Trata XCG-54 Gilder: Details of the moduled flying using cargo plider, XCG-16, are shown in this AAF flight photo, made near Cliston County Air Bare, Olso, ploder test center for Air Service Technical Convented. Carpo is stored in the face capacious helds on each side of the cockput taken form a sender, deeper genter section of the mine

ATS Operators Ask Uniform Training

Plans for peacetime fight trainventional tail assembly, set high to farillate loading through huge

director of Bearton School of Accounting, and May, C. C. Moneoperating those Army dight contract schools, in addition to private fiver and technical aviation echools, whole Laurd has operated two Array primary fight schools

fight traceout in Southeastern & Whitney Aircraft fiveness All there men have neveraged and

tion of earge compartment flours is. United Nations military policies the ATB expects to develop an equalic ands not in military training

the peacetime bases in some 30 states operated by ATS reserves While dennis of the uniform avview are to be warked out, it

> TELLING THE WORLD . Toro Officese, formerly public re-

have invitated a dutly radio program in Columbia, S. C. They believe : operating corporer. The measure every day except Banday, festures "Santhirteing Sports" and myer George X, Sire succeeds Denham as red-Telev representation of the Prat

WEST COAST REPORT

Next 6 Months May Clarify Aims Of West Coast Aircraft Industry

"Confidential" customer previews of mockups of post-war planes is gradually giving form to general picture. By SCHOLER BANGS

There is every reason to bu- band's Countrillation production Here that within the coming six and "lenks" on the commany's months the West Coast scenall to dustry will have defined with fair profit contained activity in figure wing development. Boeing's of their desire to talk post-was h Personal Planes-Major company as of competaire pressure. Opportunity to constaline on pubcraft will be a constant lure to pubrondable plane designs, and the Previews - "Condidencial" care post-way airlingre, feeder planes. Reticutes of other Western

tempt other companies to duclose To date only a lossifed disclosure light plane mutifacturers whose Convey's dupley of a "448-near senger" dougn mockup, Lockto anyourne plans for a two-en-



Cormon AA-tire proped this schools section from the usus of a Liberator Rade during on attack on the submaring near at Toules, before the opp-

Giro vs 'Conter All the talk about belicopters Use surre datagus accisim new

characteristics; with normal at small, and even with preengine reduction grees, no ca-Development of the 'gire is war angressment in perform ance and restartion in cost M cumpetitar in the race to meet

reality demand for corner-

gine four-passenger plane because small recordesting power plant > Pablic Safety-If corrective steps

Airlines begrinte to occeptain publicly of instances in which peto dive and dodge to escape colit has happened to such a degree to -41 right fighter pilots taken they had made similar mock at-

Agrice officeds feel that responelefity for eliminating this worment, revardient of rank or constray from flight plans or days on

PRIVATE FLYING

Republic Develops Four-Place Amphibian for Post-War Market

New all-metal craft reported to have 130 mph top speed, fiveboar cruising gange at 105 mpb with selling price under \$4,000. By ALEXANDER MISURELY

plexigles, effording excellent van-Benchitie Aviation Corp., at willty. A full earlilever wing at placed at too rear of calves, where to shoot at, with the acaregreement this week of the new Becylinder pusher engine, is mountnubbre all-metal four-place arted. Location of engine and philities, designed to sell for less propeller behind calan insues Dan \$4,000 with 130 moh 500 Bost Information available in-\$ 17 Inches Braft-The Aut of the with only 17 unches draft required although at least a half-dozen other four possenger designs, all

at 50 wob. Main handing wheels P "Thursderbolt" Amphibian-Ten-tatively called the Thursderbolt refront into wells in side of rabin. and a small tail-wheel, rest belowplotes the land sens. All-metal, expent for fabrushove dears offers interior a receivi-

from drawing board Occurs

mockup to partial assembly, in

convert control surfaces, the Seallumetal fabrication which has

writefung make noutble landings

Specifications Frezgizary data announced for Republic Aviation Corp's translater assemblian, designed St feet 6 laches (on wheels) -8 feet 1 wer will be 8-cytinder Frank-stropoided region in pusher

length, and is 6 feet 7 makes high. on its wheels. He gross weight Saures et \$,000 permis. b Quantity Production-The plane. corniderably before it goes on the murket, in Republic engineers It and to reduce its production cost. Alfred Macchey, Bepublic It has been developed from a descen by P. H. Stormer, Bepublic engager, credited with having

The plane has a 26 feet wing

more experience with single-enand recourse amphibian, pos-





Sketches Show Attobibies Interfere Attorrebeleutune valerier filtree and interpret steel of new four-



New Republic Amphibian: Parat flight picture of new Republic fourplace aniphibian for personal axiation uper about place over Long Is-

to redesign of the current much- the Thursderbolt amphibian in quantity can the experted low

planes indicates arrows ather

being an optimut about the post-

war personal place perture, but

Embry-Riddle School Sets Safety Record Curbtrom Field unit reported operating 192,224 hours in trainprovement of cobin fittings, in-

ing activities withour a ningle 75, adding therd door, adding The Embry-fliddle primary flight training school at Carlatrorn Prendent Marchey admits to

The recent of the field at Ar-

Votices Five other schools consisted tor, Ala ; 29 Palera Air Academy, Free Others Win Hanges--- Nowever, two other schools, each of ing 1963, were wigners of safety

185,482 hours of treating opera-

bucken until Mar. 11 the year-) Broards Irangered—Scree 10 per-

Watners in the ATS safety rea-



After straigne ad all arrand their principal \$25.000 a ground shade many for \$ 500-feet revenue with arrsayer the airport project closer to force, one mile. The import would divide the airport into expense from the harmon district in a room belief area. The green for freely and resummer arrows.





from GI to Blue Denim



When war struck, American busichange-over from Pencetime to efficiency, Soor, we hope, the eyele the production of pracetime goods. edge that Presse orodasts have

stood up under the gracing test of portions arrains. Brosse will be an peacetime industry with a mini-

of Borree are worlong day and night, producing such desendable profests as Breeze Radio Legition Streiding, Multiple Electrical Conthat are belowns the United Nations



PRODUCTION FOR VICTORY - PRODUCTS FOR PIACE

Parks Plans Course For Women Pilots First of series of 12 weeks' much

at Alabama Institute of Acronaurica, lendine su privam pilor's series of 12-week courses for

young wassen, leading to a private pelot's becase, on Jan 6, it is announced by Oliver L. Parks, pres-Primarily designed to interest young women necking a working knowledge of aviation for personal fight the course includes 444. fight hours, 165 hours of classroom work, and 69 hours of physijects include: aromB, meteo-

rology. Bight coul our regulations, instruments, parecivites, pereral service of alreraft, radio, novigaschool or the equivalent. The students will be housed in modern scor Hargrove Van de Grouff Field of the Institute. Presided Air Codets-Prior to primary flight training contracts.

and Free French cadets, CPTP and fire years, with more than 250,000 The remdent fluit school for program, according to Parks, and Milwaukee Airport program offered by the AlA's atfillene, Parks Air College, Engl St. Leuis, III., which has always limdonts, and its curriculum to the including serengifical engineer-Any 9. Prospective serietropie may abtern additional information

Eligible for C Cards

Civil Air Patral wea-Bucht inplace where they are giving preflight instruction to CAP cadets, stitute a knowed to large planes.



Abose: a group of AIA girl students got restrictors' tipe about as Percents on the Stability at Herarous Ven de Orgof feel, Releas' of general mess of transers and hanger at AIA



officer of the AAF, assurped to the CAP reserver. The pulling was made at request of the AAP to faccitate pre-flight traying of obic experimental flucts to and

Office of Price Admirates has

of Wincomin Assesse, the city's

Urges Port Program Producting 2.000,000 onvenely land Field at Milwardses to use or

5.000,000 vestle knowing how to Mostland (notice of Milwoolee) Dallos Chapter of the National Arconyate Association land Calif. non-step to Hopolula. \$ 3.000 New Fields Pinned-Ducussing his bill which would "Brot of Peradian" in 1937 and

it is believed there is refferent

of 3,000 new surrorts and impossy ment of 123 existing folds, Rosedolah foresasy 223 new fields for and \$110,000,000 for the state to

The speaker presed the Dalles

SUPER POWER THAT HAS DONE A SUPER WAR JOB!



COMING For Your Commercial or Private Plane After Victory!...





- "Flying Horsepower" is an exclusive Socony-Vacuum development, coming in the new Mobilgas.
- It's already a proved achievement, now flowing to U.S. warplanes from 19 great Socony-Vacuum catalytic cracking units. It's the result of 11 years' research in catalytic cracking and multiple developments, climaxed by the famous TCC Process and
- Magic Bead Catalyst.

"Flying Horsepower" is your fuel of tomorrow, here today.





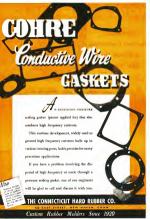
It represents the greatest catalytic cracking program in the world, a \$90,000,000 investment in new refining facilities and equinment, \$2,000,000 in research during the past two years alone.

SOCONY, VACUUM OIL COMPANY, INC.



AVIATION NEWS . Documber & 1949

AVIATION NEWS . December 4, 1946



AVIATION NEWS . December 4, 1944

and private flying. The Dallas Chapter of NAA was recently or-

Air Trade Schools Study Future Plans lems, they hope to soure future meup with Army and Nave

The nation's well-equipped room growth, mass cancellation of erate liopie they can survive land enough to belp rethin thousands of rejurning war vellence. They returns in ourly post war years. billion deller bills by Congress to

> I Long-Range Tie-Up--That done. they can compaign for a long-Navy to furnish on short notice thousands of well-tramed young been utilized efficiently or salficiently by the services from a

I Job ProblemsoThere will not be enough jobs fee all, but "the inself more adequately for a job at certainly going to have a better chance to get it," Casey believes. In this regional ambition of theesmade of young men who have

CAA REGIONAL HEADS MEET Exphasis on poversesent's part in excouraging private flying as well

transport industry will need

ing CAA requested washingte most away CAA whose Above left to right urrance for forecas operations, H. R. Neely, third recover L. C. Blints and Charles J. Stanton, deputy administrator consthing to been up with? Cases

perturifies for the expansion of the welfare of the trade school for treatent facilities which provide. of swarrahrp is ourrelacated by Mowever, to ment public con-Edence the trade schools, in avia-Lang range popperation with the to develop and mountain their egetation. No trade school can • Support constructive, considered legislation like the G. L Bill of past, some trade schools have been. Rights but combat 'bad' lega-Many states, such as New York and New Jersey, are moving in the right direction by requiring hi-Operations of CAP course, which means a strict set of

authorities, forcing out schools In 31 States Listed

Creft Air Pates) is owners, on erating or despective 215 Selds in h Competition ... 'Public school date. 21 states, according to a recest survey made by the 45 State Wise were constructed by CAP in 22 The survey indicated that of a total of 1.582 fields now open to civilian flying throughout the

school must be on its toes and offer training attractive enough to for such tearning affords them a leadership in conjument and methcountry, 403 in 40 states would

AVIATION NEWS . December 4, 1546

served the armed services of war ods that gives the public schools



without CAP support and use, not Major Impravements — Benides 100 other fields in 28 states and has recoved a number of fields

cryslup firms by states, as follows: Lessuana, 11; Maine, 11; Mary-

land, 11: Massachusetts, 28: Mirts. uppi, 21; Massuri, 35; and Montana 16 Nebruska, 86, Neveda, 11; New Mexico, 12; New York, 74; North Ohio. 74, Oklahema, 44; Oregon, Pennsylvenia, 182, Rhede Island. 1: South Caralina, 21, South Danuta, S; Terracence, 45; Teens, girce, 45; Weshington, 20; West Virginia 16; Warconne, 32; Wy-

Asks Clarification Of Aircraft Terms

This is one of she suggestions made by Wilson B Kent prestdent of Southern Air Services and

a director of Aerocastical Trem-Avoid misconceptions is to the mbdy 190,000 averagily by 1946

will have \$550 sirports, 292,500 old and new sircraft, and 1,500,000 show a profit of 14 percent after place Mus Book like that of the Find some answer to the fly-



USES FOR RANGER 700 HP. ENGINE

Interesting arrangements possible with the new Parchild Renoer 146 hm. 22 cubmder engine, suitable for high-powered personal or feederfree planes, are indicated in these simplified sketches. The inverted-Vstine, arrecoled powerulant as adoptable for subsurrants within the used in floing using, below, commentional using marries make, too, and unth mercul shoft to preser counter-rotates kelpouter rater; center uned as marker, in communically own where before in tenders arrangement rang property proceeds 1450 Ap. to turn counterproperties combined recenpilote and ferrying planes back

Briefing

For Private Pives and Non-Scheduled Avietion.

By ALEXANDER M-SUBERY Forms-Wind Landing Geor-Civil Wright urged the necessity for developme an efficient cross-ward personal aircraft denum, and lending door of this type is now PAfter Two-Centrel?-Next store ne rudder nedals do new. Curo Curberron Larhteires Dieset-A personal appears builder in the last pryerol months, and offered to aged from their T-1493 tank on-493 hg, but on the bear of conif the Dellas organization deese/L

Bocket Flight-B. S Johnson, builder of the streamlined Johnson place model to fiv next week, and in 1966. Alimen drain arrend





Robinson Vibrashock* syspensions are radically different from conventional type shock mounts

Robinson builds a complete, fully engineered suspension gueronteed to absorb over 90% of all vibration throughout the entire operating range of the aircraft in which it is installed Over 75,000 Rebinson Vibrashed

suspensions have been built to support alcharge radio and abstauranhia equipment for the Armed Services Other Robinson Vibroshock suspen tions are being declared and constructed to support flight instruments and instrument penels.

As a result of competitive tests for use in supporting airborne equipment. the Robinson Vibreshock suspensions have proven superior to all other present methods of shock mounting.

ROBINSON AVIATION, INC.

PIPOT PATIENAL PRILECEE ENCLYMPAD IN CACH



DESIGNERS AND EVILORES OF MAYT FIGHTING PLANTS AND EXHAUST MANIFOLD SYSTEMS

AVIATION NEWS . December 4, 1944

THE AIR WAR

COMMENTARY Superfortress Earns Title

As Key Strategic Air Weapon Six months of operations, following early shakedown bombones of Jan military and industrial targets, reveal pions B-29 as formidable wearon to carry wright of air attack to Nippon.

makes the Ru29 by for the bost

self. Further improvements are

much improved on account of the

excellent record of Dodge, Chiage and enlarged faculties of

tection squared county fighter at-

of remote corired turrets develeped by General Electric. There

dependent oil accurate photo-

being made in the engines, but

Six months are the B-29, far: of defending arresport. The latter down apprecion against the rall-Banchok, caustal of Sings Nine

required, one from bases in China Manchuria, and targets in Central major blow against the bugs surcraft factory at Omura; between New 2 and 54 there were free more reserved in a stamped in pace. despite very had weather. Bugs Cleaned Out - The cia radius of artise, 2,000 mires on 6.860 rather round true, with highler barth lead; sweed, ager 200 rodes the effective ceiling of all but the very letest Jap fighters, with precsurged cabins for erew comfort

per rear, lower forward, lower rear turrets and test mount, with a emergency can pass on control to plane's speed wind drift sto into his computer (the "little black and efficiency; total fuel expenity. tem which would warrent the this is not an operational figure name Aerial Battleship for the worked out were in connection Photographic Version-Effective with the big Wright R-2350 Cy-

European Chester this has been Tokye and indestrial Japan penwith operating bases some 1,000 sules away. Here is the key to the Tokyo litters from time to time during the first three weeks of Neversler, when an F-type Superfortress later identified as "Tokyo Photographic intellucency officers taken. Dougste the tip-off as to what was coming including the Bitrategic Targets-The 21th Air

graphic reconnaisance. In the

The Oct. 14 mission assignt the introducted as the war to date. Literally scores of the hailfform this places. The accord B. 23 rand on the 18th left hardly a hardtel building untimared. De-Organ Bay, near Naganaki, wan

not on future combined oners-

fair to expellent. This hum you stallston, of not knocked out alrendy, will be bit again upon it. The 19th Bomber Concessed in Saspan are now in a position for stretegic bomberdment is utterly tually make Jepan groupy.

Marrasana

PERSONNEL

E. L. Ellinger (photo) has been up-TWA's superinicafeat of aircreft engineering

Walker, previously renter engineer Elinger will magazin en office in Corp. of Cold, for 15 years. C. J. Benley, maintant supermore tee Arreraft Corp's Fort Worth intendent of salenge at the plant, stockeding C. C. Shafer, who re-

ter Proid in 1941 and recently was At the Misca division of Council. dated Value Aircraft Corp. Mrs.



shirmanal staff transfer. Julius Ralph Hawlett has been named chief Central America. He was arregarded for the Braulan dayson of Pon-American Acresso from 1934 to

Worser H. Bord has been named A Singer Drummand, experimental

Aeronautics Board, replacing Solund ler's stell. Hard was with the War

New appointments at Western Av-Lones metade Moson Hallery, for



Reged City and surrounding territory for Mestern and Yernon Willia. Richard W. Seamon has been named purchassed agent at the Kearney elant, Ernerk Devision of Thomas A. Signor, Inc. Pror to but pdilesten with Educe, Scorne was with Car-

William B. Briggs, on sirline excess

Lenex, will rep-York rouse. In 1920 Briggs was with ern in 1933 where he remound unfice and is knowing the U.S. soon til his present affiliation with North-

that of the rates and audits division sugmeer, has been appointed as as traffic manager of mad, express of the economic bureau of the Civil subtent factory manager of Tunken and freight

MEET AT PEARL HARBOR:

Lorsz. Corndy. Joy Bright Honcock, well known in Maral areation, met her bruther, Lorat. Condr. Cooper Bright, 1980 has

carrier, of Pearl Horbor, Comnumber Haucock headed the oftcreding H. M. Harbey. He has been

cherron of Industrial salvage for the War Ponduction Board in the T. Kelly Pierce has been named gus routes: four-regional transports.

Thompson descripted by the descript

mold received contracts for undin-Arthur C. Smith is new cores trad the supervisor for Agreement Airbreas



AVIATION NEWS . December 4, 1944



SINCE APEN, 1926, when flight operations becam-Western Air Lines installed the first Link Trainer pioneering has been a hobst with Western Air in 1937, for the instruction of pilots in instrument Lines, which serves the Pacific Southwest and Rocky Mountain territories. Among features of communications between planes and around: the radio compass; passenger service over regular

flying. When the company established its militury training division, there more Link Trainers were installed. Western Air Lines' regulations require that all engilees take at least free bours' Link Treasure every month, contains and reserve captains at least two hours' "refresher" courses



derity has contributed were to Aviation Devices, Inc

AVIATION NEWS . December 4, 1864



PRODUCTION

Boeing Converts Seattle Plant From B-17 to B-29 Production

Project, already past half-way mark and expected to be completed early next year, will being total of units devoted to vast Suberfortress program to five

By SCOTT HERSHEY

Nocessity for increased produc-The scope and complexity of the conversion job in Souttle from fortress is posited up by the Tokyo-Hall's to Nalife or almost worthwart activation of a record bomber Striking power of the eastmand then 102 Superfortresses took part. Fintessembles-The har Seattle in the first sittack on Tokyo diplant will be integrated with a Attacks to Increase-The recent

clusively to output of B-20 major nose sections and gunners' comcartescrip. These parts will be place as well as the five huge

capping of Deft purchas was percentary in personnel on well as

a few at a time could be removed h Assembly Lines Reduced....The

moved to temporary locations, and swatter. It embraces hardreds of



Five Plants Included...Web the duction program, perhaps the

"off" position as recurred. Totally englosed in a compact, corrosion resisting metal container. Complete with knots as shows. Write, wire or phone for further information. OHMITE MANUFACTURING CO. 48M GOURNOV ST. CHICAGO 44 II S. A. Be Right with OHMITE

to design and construction to provide uniform electrical and machanical coursel ... and assure usuass depends bility ... under all operating conditions. Two stees Model "I" 50 watt and Model "H" 25 watt

Linear or Taper wire-wound, in various resistances, with

RHEOSTATS . RESISTORS . TAP SWITCHES AVIATION NEWS . December 4, 1864

acrongsment which has existed unce May, 1941, preduction of

months has taken on solded sig-

to Seattle usback is undergoing contempon from B-17 to B-29 work, a project which storted last April and will be flushed next March in thu

VIBRATION

These new Obnits AN

Sheastels are light in

weight-much lighter

weight specified. Meet

self sprey corrector test.

Operate sets bedon's in from -- \$5°C (-- 62°F)

to #70°C (+150°F)



third Bostor plant at Works, ma-

Convair Develops Knock-Down Hangar

All parts are prefabricated in serably operations. Cornolidated ment and a crew of eight race, one

cept for the front, which is a water and fre-proof surtain, the hangar Facilities of the hargar melado appliances of its manufacture.

Breech "Welcomes"

Bendix Name Suit Bruest R. Breech, precisiont of

which has filed out against his company, has only a larsted right to the use of the name "Bendix" in the home appliance field. Bond's Bone Appliances has the name Bendix in connection with sale of radsp sets for home Allester Asked on Name-The

Breech said that since his own-

Martin Production Glenn L. Martin, president of the aviation company, told stock-

heights that the firm is should of arrest differed there was a prepany lest many people who left war work for expected neactime complaint, alleging that Bendix well understood that they will need many more employees-pot dix home radios" asks darrages Divisions A company drylstock was declared, parable on in connection with rale of home Dec. 32, 1946, to stockholders of



TODAY, countless ships plow fog-shrouded seas, hyrrying vital supplies to our fighting men. Swarms of 'planes hum a dirge over the axis horseland. Acid lands are made fertile and pro-

ductive. Mighty rivers are harnessed to provide power for distant war industries. Propellers - purps -turbines . . . modern necessities and conveniences without number . . . stem from the unknown genius in whose broke sem conceived the principle of the arrow. The mists of service observes his name, yet from Gollan to Guterhern to Millennium, developments of this basic idea have, and will continue to, profoundly influence our

essential to Man's propress, developed from the fundamental principle of the screw, so too, has broaching developed from crude took capable of limited uses, to mighty markings complie of performing metal remove ing operations with speed and precision, in an almost andless variety of shapes and sizes . . . and making them avicker, cheaper and BETTER! The first broughing marking more describely



THE MORLE'S PLEASE AND LARREST MANUFACTURERS OF REGLEGES AND RECACRISE MICROSES AVIATION NEWS . December 4, 1944







Consultitated's New Prefahricated Hangary Developed proof front curtoin can accommodate plants other by Consolidated to service sircrolt in revious error, than the Liberator for which it use operationly dethis prefabricated teets! hongar with water and fire- sugged. Photo and drawings show details

AVIATION NEWS . December 4, 1944

Mosquito Equipped With Small Cannon

Monquito bombons have been equipped with a six-pounder gan ed on North American B-25

The British gan is mounted under the funciage just to the right operatornal use for a year. Hts. curred out even in heavily-defended harbars, and use of the carflak ships and escort vessels where the surface with importity. P"Mitchell"-The AAF and the the Mitchell largely in Pacific operations against Januarese ship-

effecting the elegraft, unlight from 49 celiber machine runs. It three gars furnishers a heavy haring runs. The faster, lighter Mon-

main colors is amouth eight, complete even to roll-down europea.



detail of the speedy Mangaile bomber equipped unth four machine pure

New Engine Mount A new type of engine mount

used on the company's recently announced A-36 Jacober, in nov. The new mount is reported to changing of an engine from 18

> pounds and earries the 3,660 pounds of the 1,600 to, engine. tien on the wing of the plane. It at my pomis, my on the moretic A Pacilitates Benales-la addition

Vote on New Name Stockholders of Aircraft Accreregressive to August Manufacturities

REMOVABLE FIRERGLAS INSULATION Inchethick Fibergles invalation held in position by subp fasteners and strong is the latest three for Cartan Cadd Corresponds transposts. The visulation is some 300 pounds lighter per mitaliation than happin, and audied trim cloth is used where needed for receiving involution around supplies radio, electronics, by-

AMERICAN INQUIRED PRODUCES MORE, PASSER, SETTER ... WITH BOWLER EXACT LIQUID CONTROL

How a Famous Manufacturer Protects Engines During the

THREE MOST CRITICAL MINUTES OF THEIR LIVES



Caushiste Planter of Equipment-Abert



Small Mater measures and records every Clean, Dry. Sofe Find - humarines and Serv. I Plear - For medium and smaller



De Piere Dai Moos

tenther phase of therest Exact Laurid



For a hot pilot...frozen by a williwaw

In Alaska, every men who kicks a rudder is a has pilon-he's put to be. But from bound money keep even the most resourceful flyers aroundedbecause to start engines when the mercury plan-But now, from the laboratories of California.

Research Corporazion, a Standard of California subsidiary, comes revolutionary new Standard Starting Fluid-to kick the coldest engine into life instantly.

Standard Starting Fluid* joning readily or lowest temperatures - on compression alone, if need he. It is safe for engines, easy to use surrefire. The ounce or two needed for each start can be injected through a simple priming system,

The Seandard Searcing Fluid that belts are air-



craft off the ground is another typical example of the kind of creative research which has made peeme in the sky.

Fixed will be obtainable only in Alesha.

STANDARD OF CALIFORNIA AVIATION NEWS . December 4, 1944

Standard Aviation Casoline and Lubricages and *Electif after the over Standard Standard

FINANCIAL Airline Securities Helpful Key In Evaluating Industry's Position

Increase of more than 400 percent in market valuation in law six years indicative of great progress air transport industry

Market quotations, properly up- collect, remeanded market prope-Along in 1906, shortly before the

Act of 1976, it would have been possible theoretically to purchase listed securities of the major comdustry.) Tuday, it would take the same purpose. United or Amermands a higher market perce than that of the entire domestic group back in 1906. have traveled in less thus six

to infusion of new capital, "plough-Despite its tremendate growth.

b Market Abase Bask Valuation brend shown for the average

plied, afford a helpful key in evalu- well in excess of book valuations after the relative position of the and then popully proceeded to disour transport andustry as a whole count the future as approhenance aloue with that of the separate of a post-wer defiction began to

To best depict the relationship peasure of the Cryst Acceptances of airline merbet praces to book Capitalization - For mytanes.

> at appeared \$19,000,000 conveniend to about \$5,000,000 for PCA B intion passebelitary United and vertible preferred stock increas D.

of preferred at \$100 per share.

version into common is attrace.

tive. The same applies to United:

although in this meteore the are- values

comman selling in excess of the

American sells around \$79 per cornegas share at present com-PERstein and TWA-It is note-

worthy that while Eastern and difference in the book values Eastern has the lowest ratio of market premium on Eastern has

is Brazilf, which now capers a quarter and sustained profits durmented over the figures shows. passing rister to actual book

MARKET AND BOOK VALUETION BATTO

TRANSPORT

House Group Hits CAB Stand

Against Air Rights for Ship Firms Merchant Marine Committee criticizes Board's interpretation

of law: hill recommended authorizes Commission to make "final and conclusive" findings as so right of steamship open

A new and hitter chapter in the hardly be in the mood to plunge to each purticipation. Unofficial comment from high mented havefly on the Morehant

ary in the farm of subsidies. One b Property Will Studyed-olders the Maritime Cornerisons to make

operator to use ameraft "either in arr operation by steamship com-

Sep Alfred Bulwinkle, chicaman. Commerce Committee, feels that the bill introduced in September by Chairman Bland of the Morlead to an undergrable division of captrol over American for portica-Lea Ospones Manuer-Cherryse. Les, of the influenceal House Interby the Merchard Marine Commatoverseas aviation amounted to a advanced by storgether interests in their fight for air rights. There were were contradictions. In its thenty under the est to start air representations to it that the law

Marine Committee's action that "I dan't think anything will come of

when the 1998 Civil Agranaution Act was before the House, have FCAB Criticized-The Committee error of regarding ricelf sa the godfether of the ser letes rather than the impartial judge between

are traffic that would result in a Act, so to the right of a steamble

AVIATION NEWS . December 4, 1944

BRANIFF STARTS INTERNATIONAL CARGO SERVICE: Brussiff Armesya started an externational air cargo service between points on its doctestic routes and Mexico Dec. 1, through the Laredo. Texas, pateway. Carriage is Mexico is being handled by Companie Mexicana de Asiacion (CMA), Pos Americas Airusus effliate. Caros state-organ, is opposed to the mean- will clear U.S. customs at Laredo, and Mexicon at Nurse Laredo.

A DISTINGUISHED NEW NAME for A DISTINGUISHED OLD SCHOOL. NAME THAT, IN THE SUPREME TEST OF WAR HAS COME TO SIGNIFY A NEW HIGH STANDARD IN AVIATION TRAINING



When Mapor C. C. Hander, providing all Orleton Technonic Instruct, was introd by the carpy of Festive as one of size decision whose approxime to confident the probat represental fractions, decay for ferror priors inclinations, the confidence CALARDIA, and the control of the confidence of the confidence of the confidence of the confidence of priors, primary, control of the confidence of t sometings and organizers may copy, and their furnisher will be known in CAL ALDO HERNOCAL INSTITUTE may entiring 3/100 and for the colors. It was not far in shoot—and for it is given the color justice—and the contrast to the American form of the Copy of the American for the colors of the American form of the Copy of the American form of the Copy of the

Missioned by elapsion, for finginguished service in unioning from more into these a laif Ferric, supplies using contension services are mission, confined to the production larves, CALASTON_TECHNICAL_STREET_TECH Today, as in the past, civilian students covariat an your man this school from many states and feerige countries, despite the difference of war more more! In one storm work, two condens from for such in is certain to billow the was, librarise are candling upon ducturate as actual but done for its graduates, it can do not you. What or read-formance about the possibilities of a possibilities current Blade territory is managed to Across Aur Louis Carlos for the degrees

----1230 AUDWAY GLENDALE 1. CALIEDRALA

STAND SUPERBOOK OF MAJOR C. C. WESSARE PRESSENT AND FRANCES AND TAXO AVIATION NEWS . December 4, 1944

DE WISS-PROTEST TARRESTORS NAIL TODAY . DON'T BELAT ATROMATURAL TREINITREMS CAUDES MASTER ATTETION MECRANIC COURSE

APPROX. 2 MILLION DOLLAR INVENTORY

ABSOLUTE PUBLIC AUCTION BREWSTER AERONAUTICAL CORP.

PALMER SINGER BUILDING, 37-01 31st ST., LONG ISLAND CITY, N. Y. NEW SURPLUS AIRCRAFT EQUIPMENT. STANDARD ACCESSORIES AND SUPPLIES

MACHINERY AND TOOLS FOR USE IN THE MANUFACTURE OF AFROPLANES SALE DATES: TUES, & WED., DEC. 19th & 20th, 1944 10 A.M. each day

APPROXIMATELY 250.000 WEATHERWEAR & PARKET MATURANE AND GRANT COLD PRINTS OF THE STATE HYDRADUC STATES SHITE THE Section of the MERCANIC OF SECURITIONS OF SECURITIO ELECTRICAL STREET CHITS ... ALL by Long

AND DODGE THAT ALL PLACES AND ADDRESS OF A STREET ADDRESS OF A STREET ADDRESS OF A STREET AND ADDRESS OF A STREET AND ADDRESS OF A STREET AND ADDRESS MACHINERY & TOOLS And the state of t

Application of the state of the STRUMENTS and to be be been advised of the control 9-Power Cody & State 4"; No. & 12" Stor and Vandoud Ball Derivereit E.

Des C. C. C. C. Dere-end a side with \$1 pt A.C. state.

Since Could September 100 and the side \$1 pt A.C. state.

Since September 100 and the side of the A.C. state.

Since September 100 and the side of the A.C. state.

September 100 and the side of the A.C. state.

September 100 and the side of the A.C. state.

September 100 and the side of the sid EXCEPTION DO .. Die PEASINGS AND BY folds, festers, Name Notices, States and

INSPECTION: FROM DECEMBER 12th, to SALE DATE A COMPLETE, DITAILIS, ILLUSTRATES ADCTION CIRCULAR AND CATALOGUE WILL BE SENT YOU PREE ON REQUEST ---ONLY A LIMITES NUMBER WILL BE PRINTED---SEND FOR TORE COPY NOW ST CONTACTING

INDUSTRIAL PLANTS CORPORATION AUCTIONITIES APPRAISERS LIGHTDATORS SOW EDGADWAY N Y 7 214 SO LA SALLE ST. CHICAGO 4 III.

(TOLEDO ONIO-PITESHIRGH PA.) THIS IS THE PIEST OF TWO LABGE AUCTION SALES TO SE NELD BY ORDER OF THE Brownier Assessation Con

The report task a definite stand as do combat vendors. The photoreconneissance type B-29 was pointly developed by the 26th Air before CAB Queting a Board Force, the Air Technical Service Command, Booing Aircraft Co., and Continental's Medification in air transportation, the Committee observed that "the presump-

Seek Smaller Planes For Short Hauls

B-29 Scouted Japan spetting work, the planes are

In addition to both "coeffine"

fort by an interloper to arregate Some strillnes showing inceres:

> The routes that were assumeded shoeter runs and thurstraffe terraan expensence picture on feedergreend crews in properation for being post-poor traffic on main h Mary Provide Vets Jahran Thomas

Several Washington hardles

ter on some routes than but, expenarre ships aperating only one. Navy and Morine air alms in com-

REV MEN IN CAA'S AIRPORTS PROCRAM To most present supplement on supplement officials of the

urban planeing conneltant, Aurport Service, S. E. Afth region. Kenses City: A. H. Westel, supervisor of cusatoni chief, Airport Lighting Unit, Airport Sersupervisor of dirports, such region, Santa Mossoo, ench region. Sentile Standing are J. B. Bauard, Jr. chief, Present Review Unit, Airport Service, and George & Bouge, Aurort Lauren Officer, Aurort

AVIATION NEWS . December 4, 1944



tern Lockhord Constellation transports was associated last week by 14 of the hope planes with National accounting for the remaining four

panded operations of all kinds will EAL, NAL Order supply an outlet for their employ-18 Constellations ment. Operation of more of the stayended routes would furnish much an quilet and at the same government to determine how srach re-achooling and rearients-

Sharper competition between tion is going to be necessary as absorbing those wartime pilots and next year it almost certainly can ports are made available. Reports Eastern and fast for National Deprobably intentily the efforts of the and not need the Mercury uning dears some of the time norse-He are of speedy Lockheed Lodebelieved true for Leckbood. How- rigra

arrounced though it may be reene-Air Timprort Association's Comwhat lawer because of the quantity formulated a "Method for Presenta-tion of Data" decorated to indicate to \$25. standarded evaluation of planes for tem-Wright CW-20 Commonda's suggests that performance data be

counition of CW-20's. The ships ordered by both lines will be equipped with convertible Eastern also is considering the 64-

imes expect to be able to offer the Naturality Maps | 1 house of minute | Naturality | 1 house of minute | Naturality | Mary Verte-New Orleans Law those I house Chicago Niami 6 hours If successful in its Letis Amer-

con reade applications. Eastern proposes the felloway courses-Now York Marries Cale 1 hours from York-Parama Cale 10 hours then York-Parama 100 hours from York-Parama 100 hours scellation shows possibilities of servers and 6,000 payeds of cares

secreta and 1,000 seconds of careo OK Unit Facilities

At Pittsburgh Port Airline men and Allechemy Course officials appeare agreem

of separate terminal buildings for each company unlag field. Airline representatives and Alplant' for Pittsburgh's partly comcalle for separate terminal buildeach nightine using the field J. Twing Brooks, Alleghany Selling price to Eastern was not County surport director, said the plan is different from any new used in the U. S. and is under study by poweral other other \$ \$25.666.880 Set Askle-Entern't \$ Services 29 AirEners-in additree offices. The tentative planwill permit servicing 20 consumerreserved to congnertual cargo and private planes. Allegheny County January, but commercial opera-

Fla. Case Boils Down

To NAL-EAL Rivalry C & S appours as serger commoder for New Orleans-Misoni trat-

Trufftiornt rivetry between Na-

epecuting corrier applicants. The tions as hearing time approached

National and C&S on the ground chief of the enforcement and Illi-



Glea D. Woodminier

that it would have less diversionary Toroga-New Origana - National present applications for a direct ed a proposal for a 900-rede feedcastes in Leasurage, Alabama, Min-CAR expressery William F. Cutick

Among the interceners was the no appendance

Woodmansee to CAA Glas D. Wandsawann has been traduce to replace With Shadle.

Arconsulies Authority, becoming

to menulocture of olecreft



Shadle, who had been general

13. Schole in the Kirch Address per section due (Shedari 183 et al. 1 13-Chair Augments in the Virginia (Charles Annalus) care (Graders 183 et al. 4, 1843. Sendario sucrey day Perin Galabram and (Sentre St. et al.) Br. (Sentral Augment) day Sentre Br. (Sentral Augment) day and a Br. (Sentral Augment) Besiding the cabilities in the Facilities occording Should be seen from the World Court new dosmen eriker ihr gerent vers at Virkins Beris Gantine, Brech Christia, George Abbane, and Verseau B. Eshrist inbible in Ferille star for Christia in the Christian of the Christian of the Special come before the Christian in the Ferille come before Engageric form I Sprewenze. (Union M. Tenners bearing data Ar North Council con- Special air of all languages bearing part for impact





resultangement of \$750,000 resh

cradi medure.

Airlines To Get More Surplus Planes than 15,000. A heavy proportion in first besch turned over to SPS following raising of 300-plane

decrease. Virtually \$8,000 trans-

mojor bettleneck. Another is the

difficulty of reconversion under

lines weather to place in service

limit by Reconvely. surily on four-corne types and which will make available nonof Army transport planes to the The Array is expected to act quickly in making the plants without the reinforced flooring

The planes will be allocated to daturate and foreign serboon by While the lifting of the limbs the State, War, Nany and Cornmores Departments, Civil Acroin addition to the present deed of Figure Corp., and the Foreign Economic Administration at an Picare in First Buich-First re-23, sithough there are indications

AVIATION SERVICE ENGINEER Man with conglustice and teletries who are debre into, plan, and edeler relative to equipment design and

other problems of sales and saveton at exempts, forgo and recoll, is marked be melional petroleum negationnes. enoded for purper representation of remptor to resistant with the orace. ments, although cave this is belirved to be open time in the

epecations and releading of phones tion Industry, professioly Abdiana, Training Schools, or should operations from port feelities einnehmies, sked. One Assessed or Million Ground Crew experience of value Good Stare. Hendemeters New

In reals where detail of arrest ware, effective, our, marked states, and other expected, backeds small strictly confidential. Statement of within his remited PAGE AVEATION NEWS IN W. God St., New York 18, N. Y.

The procedure under which the mestic and foreign surfaces in domestic companies will apply to nurestration. These agencies will

The priority situation went of

stary rationers as lone as the worof additional planes will affect

Pogue Urges Slash In Airline Expenses

Estimates that notices will be pered by Chairmon L. Welsh

h Hail Conventition-Pullman travel the siglines may be able to ten-

comfort of flight. That . . . is to ating costs . . . and go vaporcenty

The cheirmen recalls that last Ir drop from the present 5 cents a eventually. Be still feels that the second manufacturing industry make such a fare economically passible "in the decade following

transmit the application to the di- FEoreonies-in addition, "there rector of the Aviation Davision of are many things the stiffines can SPR Licet. Col. William R. Hard- do to cut costs." Here he suggests AVIATION NEWS . December 4, 1945 frequency" on heavily-traveled readen with the wardening renerand rying their own baggage. "The This last was a slightly different

that even when new equipment tance must be rold. "The new rates Air Express-Peous expressed

year or the larger volume countilly. reme industry can be built at the

Asserable Takes Lines

operating the earners by July 1, 1945. The stre, according to ernment control of transports-

nest year. An estreeted \$6,ent flyw processes as pending

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Civil Aviation Canterrose in Chica WANTED fore the Arademy of Political Science is New York and the Notional Aviation Claric in Oklahoms City Air Cargo Problems ENGINEERS DESIGNERS

Discussed by SAE Papers prepared for Chicago

most views on rives, costs and

chandise in general, Wester states, exceeds a specific density when

for a density of feer pounds per

New Type of Merchandining-

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for specific donation of appeara-

prepared by Marvin J. Parks of

by an man with apperlence in: Meeting of the Society of Autorio-& AIRPLANE DESIGN to 6. Pleas for sirerall designed especially for curps minute with STRESS ANALYSIS MAJOR LAYOUT WORK

A paper propared for delivery by A Wooten, cargo traffic man-MINOR LAYOUT WORK

DRAFTSMEN

Our exmended ensureering pro-

grow has contrad positions which are available immediate-

· DETAILERS to the enganeers, declaring the . CHECKERS cargo-carrying to new extrreadities in new neckages. Mrs.

> Date contain ofer cond working facilities in a modern clear and bear section on sether with a high degree of perwanancy for wen interested Phylog Club facilities are grait oble to those interested in with to continue their precent Olive subotice. The about fortities are reformed to the feetery.

Applications containing comshould be sent to the extention of Charl Envisour's Office.

Wright, "The types known today." he says, "were designed for of-

Longo Steputable Excess Manifestone of inner Stability Neutral Tokeston Harman Wiles for accountable proof with Man Rese expenses with stability survival Communications to the Communication of the C AERONCA AIRCRAFT AVIATION NEWS, 105 West albeit

MIDDLETOWN, OHIO

How are you at Chopping Trees?



No. this is no joke Many businessness have volpresented to aid the namer thortune by mondays were. tions from their community in the turber country. beloing our on the man power problem in the paper pulp industry.

Not that you have the time as do this. Not that tree-choosing is mostly in your line. For, west the men-power absence in this vital industry is overuntil our armed forces no longer are spread all over the world where food, amounition and medical supplies must be shipped them in paper protection. wroppers, there is a cheereng job you must do You man chop the use of paper in your business.

But racht now the need for paper is greater than ever. So the government asks you again to examine poper usage in your firm, see if you can't make even further savings

And don't forces that baline wasnesser and service it to a reprocessing place is a most important part of the paper conservation job.



USE LESS PAPER - SAVE ALL WASTEPAPER

it of therough design to meet low-Parks expressed the view that

ricerry. "We calconed bayers" a

the subsect of specialities in air

tween 29 and 24 marsis.

Gallo Joins TACA

Charles L Gallo, Transcontin-

and the charter service from Cen-

E Lee Talman, TWA exceptive vice president, says Gallo will be on loan to TACA, in which TWA

with TWA in verticus traffic and

ental & Western Air troffic official

Charles L. Gallo

SHORTLINES Nevada-Pacific Airlines, Inc., extra

thought news usagazines were a dataonal 45 days from Nov. 15 to great potential for air shipment Now, however, the importanty of Young. The time extension was sppossibility by depostrations sentproved by the Nevada Public Service Communion, who more fran-The types of planes offering the grantest hopes for air corgo and popers prepared by Herb Rawdon, A National Airlines, in a letter to the amintant chief engineer, Beach curding to H B Parker, Jr., NAL ing to cut down the use of surport required, and mercaning imvice at lowered rates over those same reason Lake Rawder, Dr. Now schedules added by PCA. Dec.

include on corty commiss direct Washington-Detroit flight with one folk-lingfale flight via Washington and Printurgh, mather daily flight from Eirreinsham to Surfalo vie Pittsburgh and Detroit, with an Arr Express Division of Ralbear of TACA's Central American Deexpress shipments in combined air-1865 over the 1863 period. During Central America, Meaner, Cabo, the first name months of 1944, 327.01

CAB ACTION



old Control has account to be the key to a new blab stood. erd of officiency in cleaning prorecises are the namber

Get the fell self array from the 100 Sect 40th St., Let Angelos I, Call



More Airliners

This mire was during of twinning of the bright of the brig

aircraft for months.

The sirlines will welcome the decision of government sutherities to delogate to CAB the scheduling of sirline needs. These allebraress will compete, however, with applications from U. S. Individuals and feeeign interests.

Applications are channeled through DFC and the FEA to the Advalue Division of Bargisto Frequery Board. A weeking committee competing representatives of Bittle, Was, Navy, Osmmere, CAB, BFC, and FEA, then recommends of the Cabillary of the Cabillary of the Cabillary observed action on oil to application of all others. Washington international bold that the triple requirements, the obstraint quarter drawn up to moure her allocation, in contrast to baseding some other types of we are arguin matter.

requirements for abbitions surplus aircraft were drawn up to insure four allocation, in contrast to heading some other types of war surplus materials. It seems libely, however, that simplifications and elimination of red type will be necessary, based on several months of experience. Anyone who has ever seen any action which depends on half a deese Poterial agencies has no fillustees about speedy operation.

cent airreft which require a fetture to recodition. They would perfer be git Army approval to airranks a certain mariner of new timagorist to retrain a fetture of the control of the Green mariner is fintle Birchlevis bloody. It Green mariner is fintle birchlevis bloody, it a surplus relates making experts bloody, it than they can post through these workhoal shoparyloon, on the lines studied, with a sulpert to that they can post through these workhoal shoparyloon, on this actually will be subject to that they can post through these workhoal shoparyloon, on the lines studied, with a subject to that they can post through these workhoal shopters and the subject to the subject to that the subject to the subject to the subject to that the subject to the subject to the subject to that the subject to the subject to the subject to that the subject to the subject

has not been taken, however.
The size rate at wheth the lines one reduct
supplies around they recover is also cited by govregisterist can be supplied equation without injury to U. S. lines. After the large starvation agtion, there will be midstray feeding that demonster

operations should be built up before foreign lines got equipment, even though such equipment will belge materially in the war effort. From we consorne standgalat, the sirlises struck have splants of the Army and Novy conspare them. If not, the simples machinery mant at the permitter to high brind the artisant equaltion of the simple of the sirline of the sample and far, and the cost ideation to their foreign and described to the cost ideation to their

Inspectors and Public Relations

A strainer News' editional picks New 20 for semisible enforcement by CAAN, General Impurtion Decement has been again and from operators not reprosed types from all parts of the country. Deoption and parts of the country. Deoption and parts of the country. Deoption and parts of the country. Description and private dayer should be given better news's form there presented reprovement againvative from their presentant endorments againteement of the country of the country of the species. Mere executively and common sense by the species, where executively and common sense by the species would solve many problems.

specters. Mere courtesy and commen sense by inspecters would solve many problems.

One of the major problems of the private dying public is the unintelligent lack of uniformity among inspectors in their requirements for airrorft, policy and mechanic certification and inspecters' refusal to accept any departure from their own strict demands.

when the desired was dependent on the desired with the desired was a state of the desired was desired with the desired was a shelver just the state of not require and a shelver just the desired was desired with the desired was desired with the desired was desired was desired with the desired was desired w

important pergon, tosainess and processonal minand women who demand courtey." Togethey and ceremans sense by importers in dealing with the public will do sincer for personal flying, now than any proposed plans for the interior of the public will do sincer for personal flying, now than any proposed plans for the interior of the public personal personal personal regions. The public personal flying and the personal region of the personal CAA regions have cooperative, up-and-certific importing staffs. Washington CAA official chould see that the activities in other areas were proposed to the personal person

ROSERT H. WOOD



DZUS*

In the early days of eviction the Days Spirel-slot Fastener was developed to fill a vital need for a dependable fasterer. Thousands the years this fastener laset more with the even-increasing demands of a fast-growing industry. Today -- Days deneedshifts is account by the different is installed for exemple: Does Festerary are used on the Beeing S-27 Superfertress. the plone that coming the benviret hereb land the feetbast. On the other hand. Days Fosteners are found on estranced type electeft, each as the Sikersky R-SA Helicepter, It takes a deneedable product to be chosen for every tune of oircreft.

"The word 0255 is the registered trade



AVIATION NEWS . December 4, 1944



Equipped with Timken Bearings in their intake and exhaust valves, four Wright Cyclone Engines have broken all records for sustained performance without overhaul on a Boeing B-17 Flying Fortress. In doing it, they flew 200,000 miles and were aloft more than 47 full days of time. The engines were removed for overhaul only after they had broken the previous sustained performance mark by 59 hours.

"Timken Rocker Arm Bearings were in the intake and exhaust valves of all four engines without change during operation," points out the builders, Wright Aeronautical Corporation of New Jersey.

Endurance is not the only quality Timken Roller Bearings impart to aircraft engines. Compactness, light weight, freedom from friction, smooth operation, economy of maintenance — as well as maximum radial and thrust load-carrying capacity are other advantages which enabled this outstanding record to be established.

These indispensable bearing features can help you meet your aircraft requirements. Write us, we'll be glad to make recommendations. The Timken Roller Bearing Company, Canton 6. Ohio.



TIMKEN
TAPERED ROLLER BEARINGS